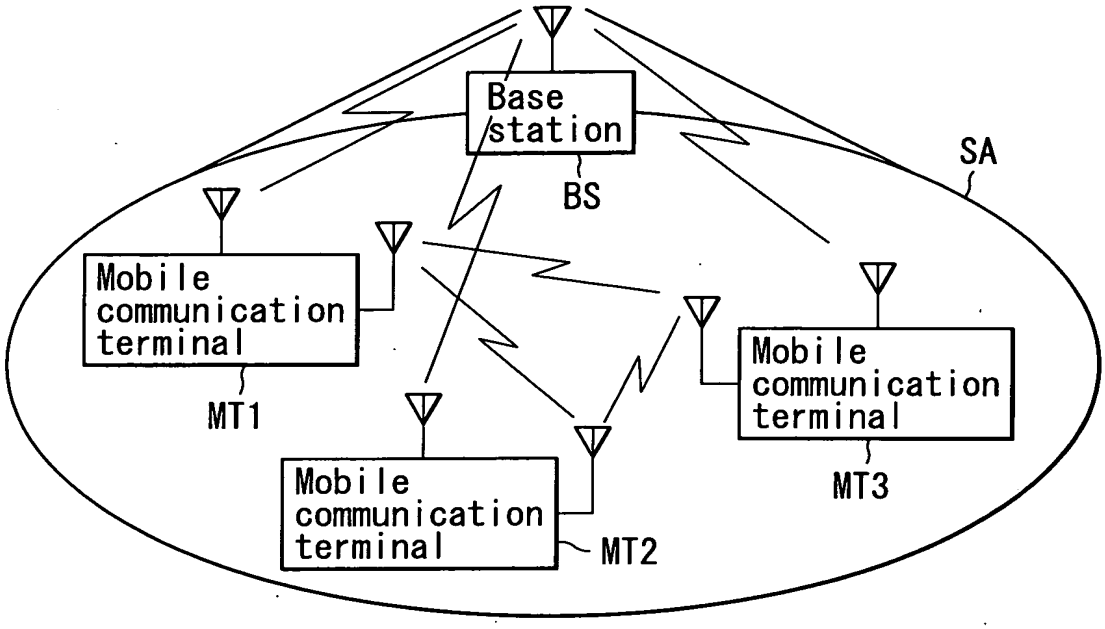
Base station
BS
SA
Mobile communication terminal
MT1
Mobile communication terminal
MT2
Mobile communication terminal
MT3

FIG. 1

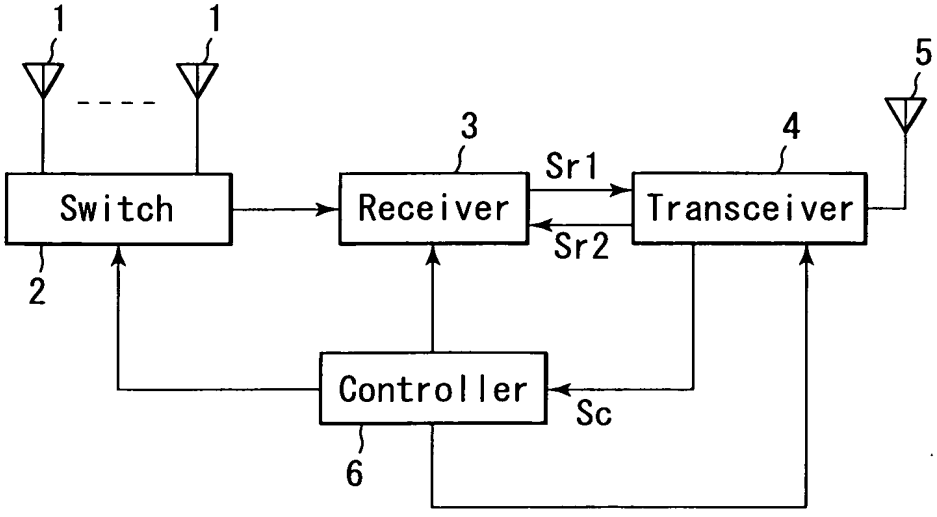
1
1
5
3
4
Sr1
Switch
Receiver
Transceiver
Sr2
2
Controller
Sc
6

FIG. 2

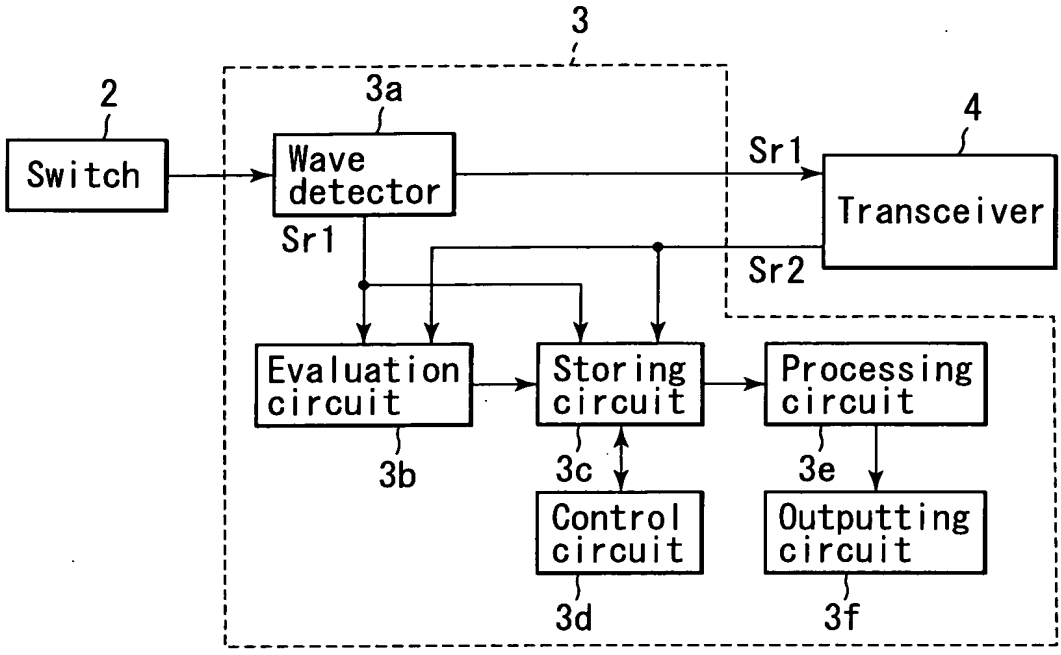
3
2
3a
4
Switch
Wave detector
Sr1
Transceiver
Sr1
Sr2
Evaluation circuit
Storing circuit
Processing circuit
3b
3c
3e
Control circuit
Outputting circuit
3d
3f

FIG. 3

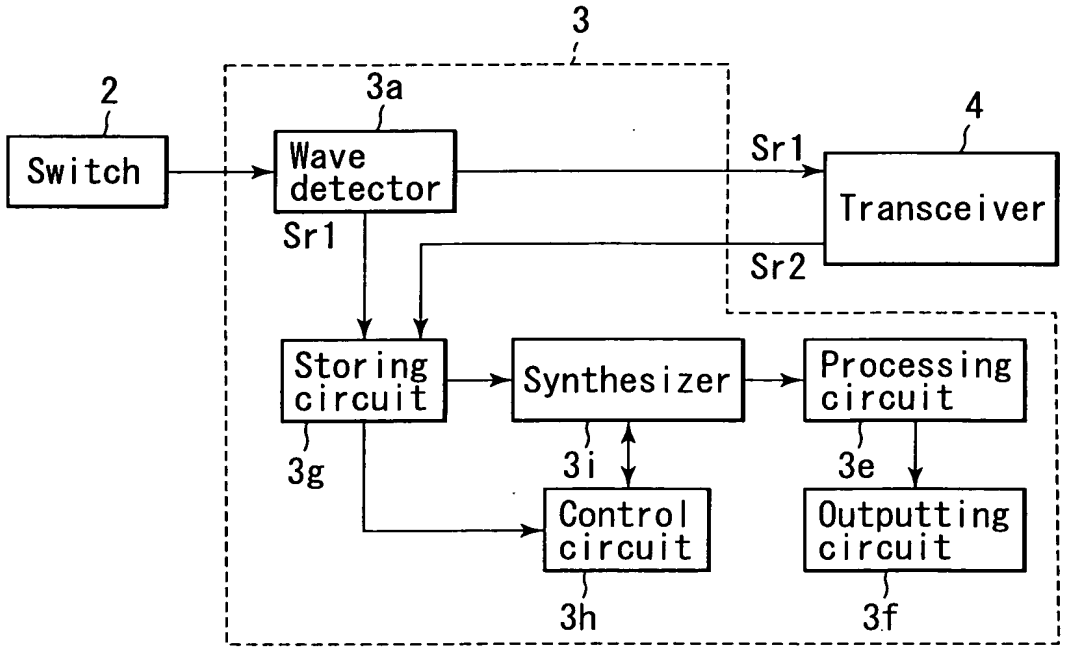
3
2
3a
4
Switch
Wave detector
Sr1
Transceiver
Sr1
Sr2
Storing circuit
Synthesizer
Processing circuit
3g
3i
3e
Control circuit
Outputting circuit
3h
3f

FIG. 4

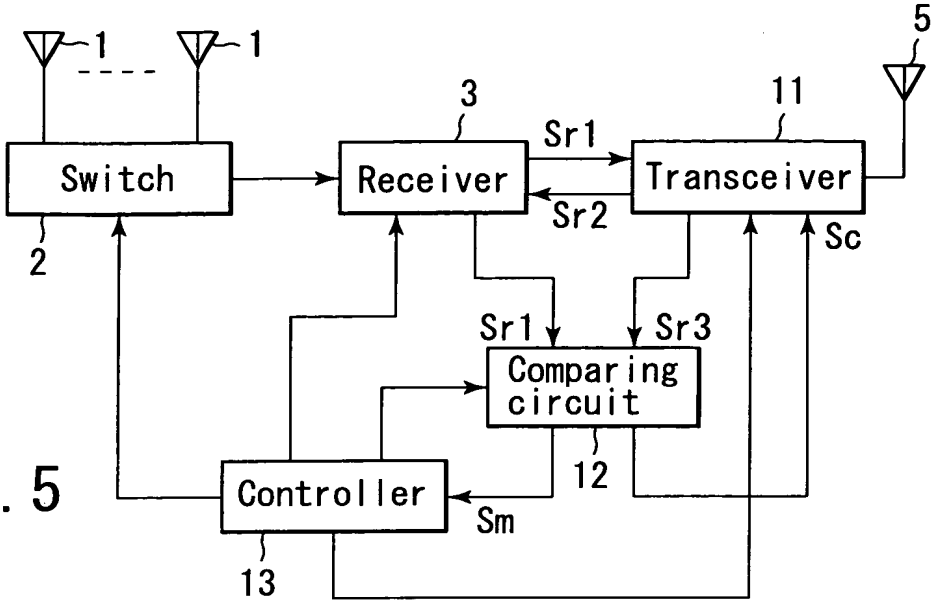
1
1
5
3
11
Sr1
Switch
Receiver
Transceiver
Sr2
2
Sc
Sr1
Sr3
Comparing circuit
12
Controller
Sm
13

FIG. 5

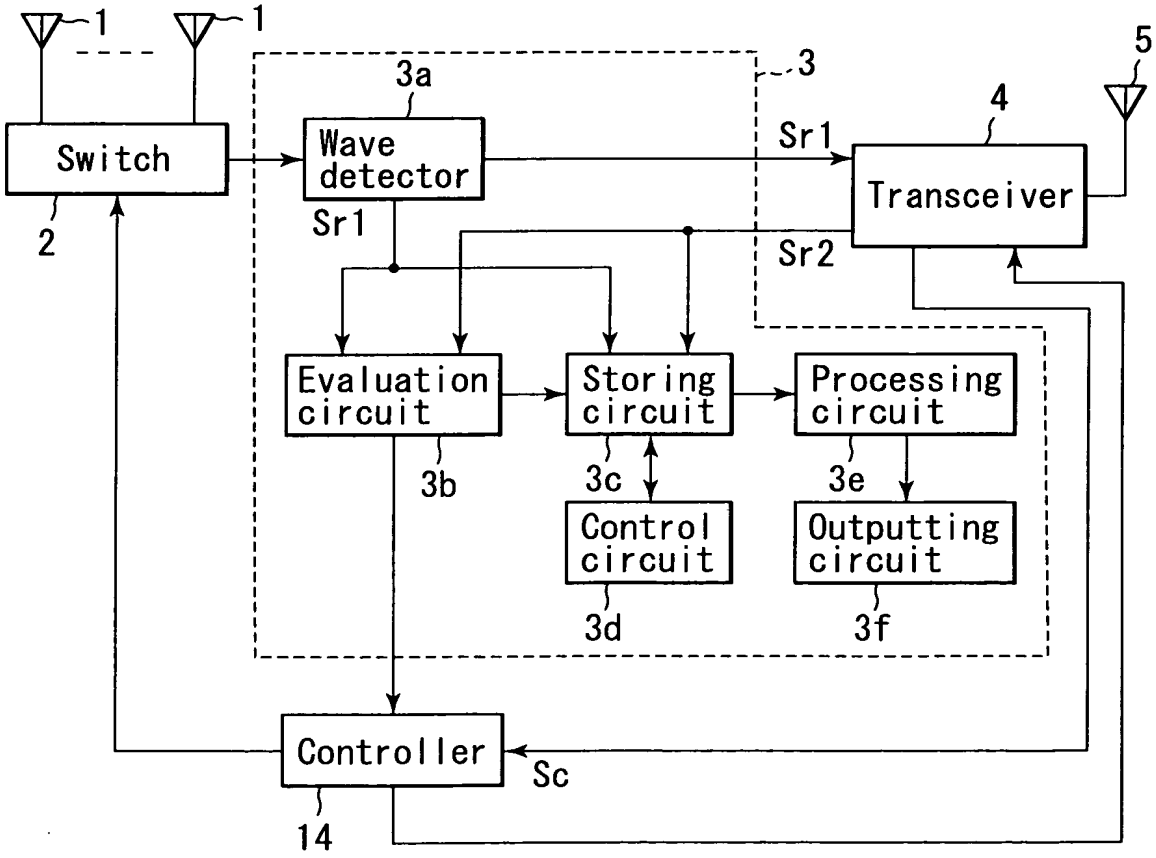
1
1
3
3a
5
4
Switch
Wave detector
Sr1
Transceiver
2
Sr1
Sr2
Evaluation circuit
Storing circuit
Processing circuit
3b
3c
3e
Control circuit
Outputting circuit
3d
3f
Controller
Sc
14

FIG. 9

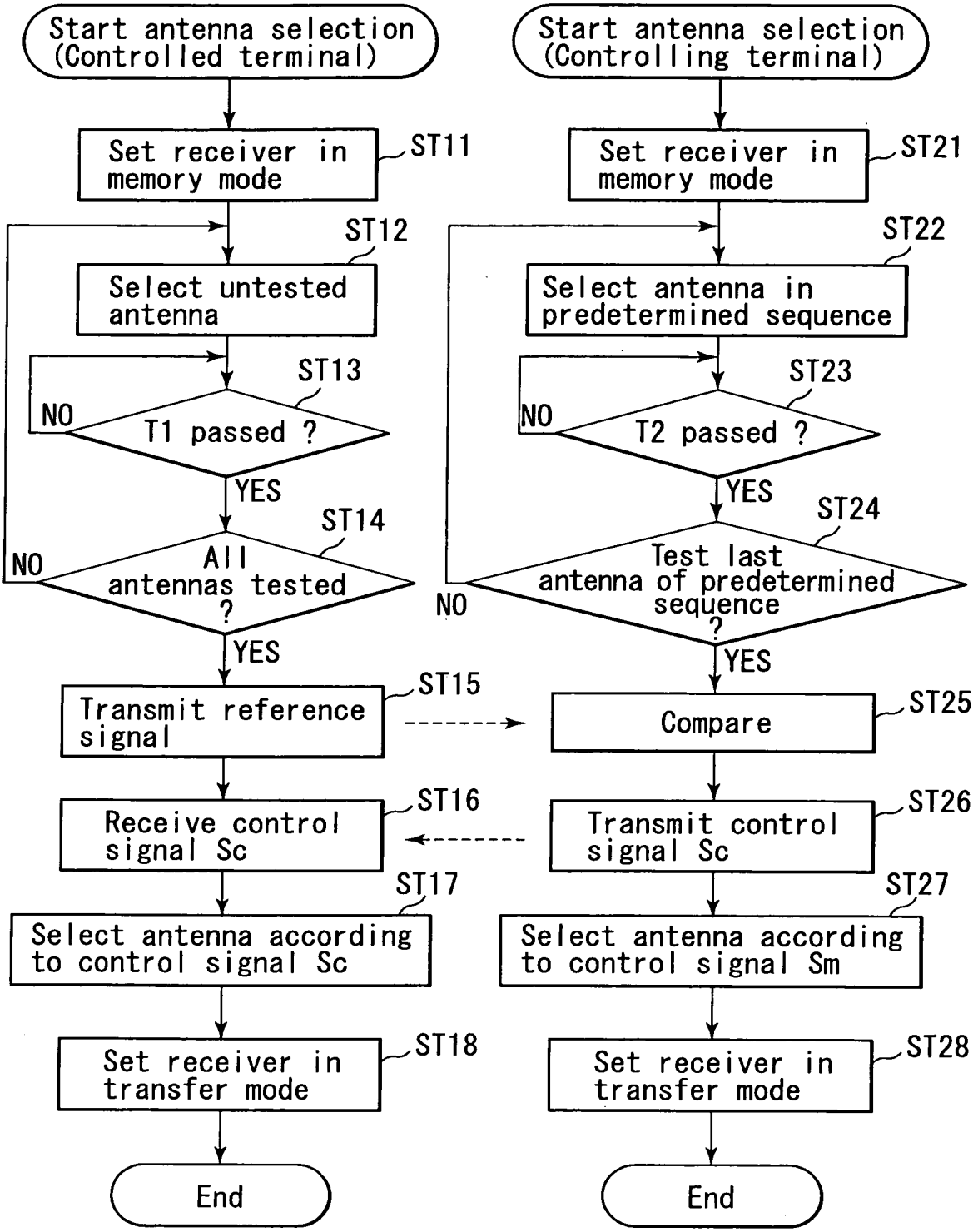
Start antenna selection (Controlled terminal)
Set receiver in memory mode
ST11
Select untested antenna
ST12
T1 passed ?
ST13
NO
YES
All antennas tested ?
ST14
NO
YES
Transmit reference signal
ST15
Receive control signal Sc
ST16
Select antenna according to control signal Sc
ST17
Set receiver in transfer mode
ST18
End
Start antenna selection (Controlling terminal)
Set receiver in memory mode
ST21
Select antenna in predetermined sequence
ST22
T2 passed ?
ST23
NO
YES
Test last antenna of predetermined sequence ?
ST24
NO
YES
Compare
ST25
Transmit control signal Sc
ST26
Select antenna according to control signal Sm
ST27
Set receiver in transfer mode
ST28
End

FIG. 6

	#1a	#1b	#2a	#2b	#3a	#3b	#4a	#4b
#1a	–	○	△	○	○	○	○	○
#1b	–	–	○	△	○	○	○	○
#2a	–	–	–	△	△	△	△	△
#2b	–	–	–	–	△	△	△	△
#3a	–	–	–	–	–	○	△	○
#3b	–	–	–	–	–	–	○	△
#4a	–	–	–	–	–	–	–	△
#4b	–	–	–	–	–	–	–	–

○:Terminal #1 is in charge
△:Terminal #2 is in charge

FIG. 7

	#1a	#1b	#2a	#2b	#3a	#3b	#4a	#4b
#1a	–	○	△	○	×	○	□	○
#1b	–	–	○	△	○	×	○	□
#2a	–	–	–	△	×	△	□	△
#2b	–	–	–	–	△	×	△	□
#3a	–	–	–	–	–	×	□	×
#3b	–	–	–	–	–	–	×	□
#4a	–	–	–	–	–	–	–	□
#4b	–	–	–	–	–	–	–	–

○:Terminal #1 is in charge
△:Terminal #2 is in charge
×:Terminal #3 is in charge
□:Terminal #4 is in charge

FIG. 8

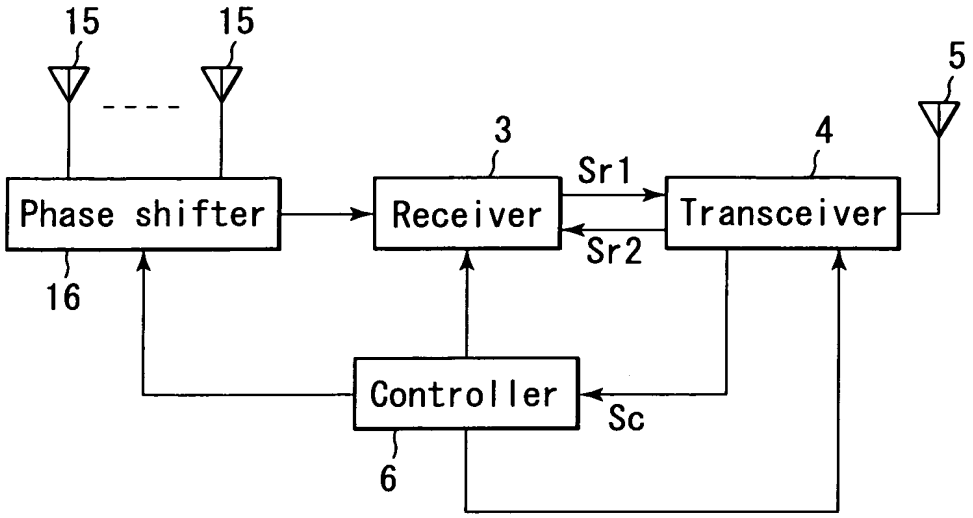
15
15
5
3
4
Sr1
Phase shifter
Receiver
Transceiver
Sr2
16
Controller
Sc
6

FIG. 10

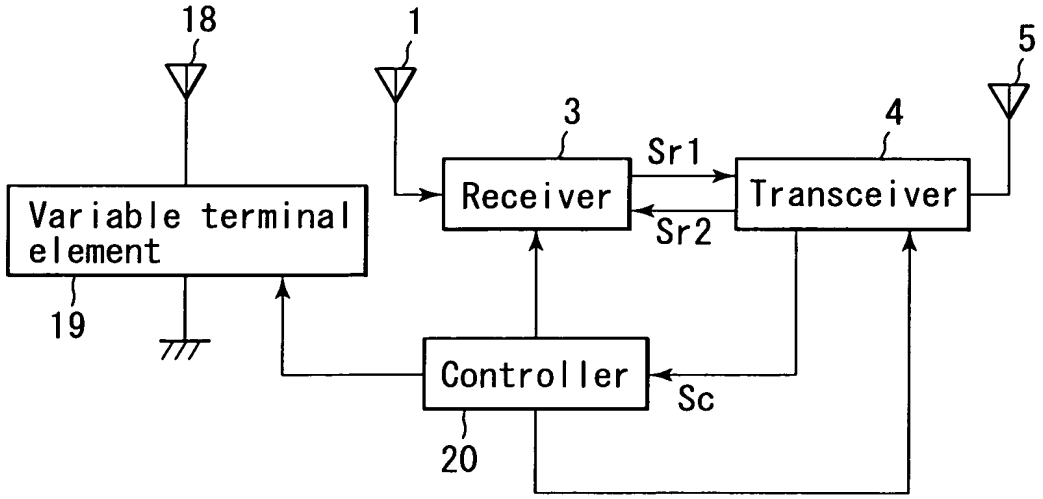
18
1
5
3
4
Sr1
Variable terminal element
Receiver
Transceiver
Sr2
19
Controller
Sc
20

FIG. 11